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	Application No.	Applicant(s)
Notice of Allowability	10/520,099	HOSHI ET AL.
	Examiner	Art Unit
	Felisa C. Hiteshew	1722
The MAILING DATE of this communication apperature of the Science allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this apply or other appropriate communication IGHTS. This application is subject to 3 and MPEP 1308.	olication. If not included will be mailed in due course. THIS
1. This communication is responsive to the amendment filed	on August 24, 2006.	
2. Mail The allowed claim(s) is/are <u>12-40</u> .		
3. ☑ Acknowledgment is made of a claim for foreign priority una) ☑ All b) ☐ Some* c) ☐ None of the: 1. ☑ Certified copies of the priority documents have	e been received.	
2. Certified copies of the priority documents have		
3. Copies of the certified copies of the priority do	cuments have been received in this	national stage application from the
International Bureau (PCT Rule 17.2(a)).		
* Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	of this communication to file a reply of this application.	complying with the requirements
4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give	nitted. Note the attached EXAMINER' es reason(s) why the oath or declara	S AMENDMENT or NOTICE OF tion is deficient.
5. CORRECTED DRAWINGS (as "replacement sheets") mus	st be submitted.	
(a) including changes required by the Notice of Draftspers	son's Patent Drawing Review (PTO-	948) attached
1) 🗌 hereto or 2) 🔲 to Paper No./Mail Date		
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date		
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t	.84(c)) should be written on the drawin he header according to 37 CFR 1.121(c	igs in the front (not the back) of l).
 DEPOSIT OF and/or INFORMATION about the depo- attached Examiner's comment regarding REQUIREMENT 	sit of BIOLOGICAL MATERIAL n FOR THE DEPOSIT OF BIOLOGICA	nust be submitted. Note the AL MATERIAL.
Attachment(s)	_	
1. Notice of References Cited (PTO-892)	5. Notice of Informal Pa	* *
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	6. ☐ Interview Summary Paper No./Mail Date	
 Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 	7. Examiner's Amendm	
Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. X Examiner's Stateme	nt of Reasons for Allowance
-	9.	Felisa C. Hiteshew Primary Examiner Art Unit: 1722

Application/Control Number: 10/520,099

Art Unit: 1722

. Allowable Subject Matter

- 1. Claims 12-40 are allowed.
- 2. The following is an examiner's statement of reasons for allowance: The most relevant prior art of reference was the art submitted by the applicants. However, they do not teach nor fairly suggest singularly or in any combination thereof a method for producing a silicon wafer for epitaxial growth wherein a silicon wafer for epitaxial growth is produced by growing a silicon single crystal with doping nitrogen according to the CZ method, with controlling F/G (mm2/min x K) in the range of 0.30 or more where F (mm/min) is a rage of crystal growth and G (K/mm) is a temperature gradient near growth interface when the silicon single crystal is grown, and with controlling a passage time (min) at 1150 to 1050*C in the range of 40 minutes or more, in the region wherein at least the center of the wafer becomes V region in which the void defects are generated, and then slicing the grown silicon single crystal.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the Examiner should be directed to Felisa Hiteshew whose telephone number is (571) 272-1463. The examiner can normally be reached on Mondays through Thursday from 5:30 AM to 4:00 PM with Fridays off.

If attempts to reach the examiner by telephone are unsuccessful, the

Application/Control Number: 10/520,099

Art Unit: 1722

examiner's supervisor, Yogendra Gupta, can be reached on (571) 272-1316. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-1463.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system. see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Page 3